

INTERNATIONAL SEARCH REPORT

Application No

/GB2004/003088

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01N33/543 G01N22/55

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	HAES A J ET AL: "A nanoscale optical biosensor: sensitivity and selectivity of an approach based on the localized surface plasmon resonance spectroscopy of triangular silver nanoparticles" JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, DC, US, vol. 124, no. 35, 2002, pages 10596-10604, XP002237025 ISSN: 0002-7863 abstract; figures 1-5 ----- -/--	1,2,4,6, 7,9, 11-13

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

6 September 2004

Date of mailing of the international search report

13/09/2004

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Diez Schlereth, D

INTERNATIONAL SEARCH REPORT

Application No

/GB2004/003088

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CHENG S-F ET AL: "COLLOIDAL GOLD-MODIFIED OPTICAL FIBER FOR CHEMICAL AND BIOCHEMICAL SENSING" ANALYTICAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY. COLUMBUS, US, vol. 75, no. 1, 1 January 2003 (2003-01-01), pages 16-21, XP001161582 ISSN: 0003-2700 pages 16-17	1-6,9, 11-13
X	LYON L A ET AL: "Surface plasmon resonance of colloidal Au-modified gold films" SENSORS AND ACTUATORS B, ELSEVIER SEQUOIA S.A., LAUSANNE, CH, vol. 54, no. 1-2, 25 January 1999 (1999-01-25), pages 118-124, XP004163220 ISSN: 0925-4005 pages 118-119	1-7,9, 11-13
X	HE L ET AL: "Colloidal Au-enhanced surface plasmon resonance for ultrasensitive detection of DNA hybridization" JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, DC, US, vol. 122, 2000, pages 9071-9077, XP002206375 ISSN: 0002-7863 page 9072 - page 9073	1-7,9, 11-13
X	WO 01/09388 A (LYON L ANDREW ; GOODRICH GLENN (US); HE LIN (US); NATAN MICHAEL J (US)) 8 February 2001 (2001-02-08) examples 1-3	1-7,9, 11-13
A	WO 99/05315 A (DENSAM DANIEL HENRY ; MEDICAL BIOSYSTEMS LTD (GB)) 4 February 1999 (1999-02-04) cited in the application the whole document	1-13
A	WO 01/20295 A (TECHNION RES & DEV FOUNDATION ; LIPSON STEPHEN (IL); NOTCOVICH ARIEL ()) 22 March 2001 (2001-03-22) cited in the application the whole document	1-13

-/--

INTERNATIONAL SEARCH REPORT

Application No
/GB2004/003088

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	<p>LOCHNER N ET AL: "Silver nanoparticle enhanced immunoassays: one step real time kinetic assay for insulin in serum"</p> <p>EUROPEAN JOURNAL OF PHARMACEUTICS AND BIOPHARMACEUTICS, ELSEVIER SCIENCE PUBLISHERS B.V., AMSTERDAM, NL, vol. 56, no. 3, November 2003 (2003-11), pages 469-477, XP004470486</p> <p>ISSN: 0939-6411</p> <p>the whole document</p> <p>-----</p>	<p>1,2,4,6, 9,11-13</p>

INTERNATIONAL SEARCH REPORT

Information on patent family members

Application No

/GB2004/003088

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0109388	A	08-02-2001	AU 6504900 A	19-02-2001
			CA 2381568 A1	08-02-2001
			EP 1212458 A1	12-06-2002
			WO 0109388 A1	08-02-2001
			US 6579726 B1	17-06-2003
			US 6579721 B1	17-06-2003
WO 9905315	A	04-02-1999	AT 225858 T	15-10-2002
			AU 735898 B2	19-07-2001
			AU 8455998 A	16-02-1999
			BR 9812270 A	18-07-2000
			CA 2294962 A1	04-02-1999
			CN 1265158 T	30-08-2000
			DE 69808661 D1	14-11-2002
			DE 69808661 T2	31-07-2003
			DK 1017848 T3	10-02-2003
			EP 1229133 A2	07-08-2002
			EP 1017848 A2	12-07-2000
			ES 2183394 T3	16-03-2003
			WO 9905315 A2	04-02-1999
			HK 1031130 A1	04-04-2003
			IL 133411 A	17-09-2003
			JP 2001511358 T	14-08-2001
			NZ 502557 A	01-02-2002
			NZ 515315 A	30-06-2003
			PT 1017848 T	28-02-2003
			RU 2198221 C2	10-02-2003
WO 0120295	A	22-03-2001	AU 7037900 A	17-04-2001
			WO 0120295 A2	22-03-2001